

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/023,224

DATE: 01/11/2002

TIME: 11:53:06

Input Set : A:\2318-287-II.ST25.txt

Output Set: N:\CRF3\01112002\J023224.raw

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3 <110> APPLICANT: Myriad Genetics, Inc.
4     Cimborra, Daniel M.
5     Heichman, Karen
6     Bartel, Paul L.
8 <120> TITLE OF INVENTION: Protein-Protein Interactions
10 <130> FILE REFERENCE: 2318-287-II
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/023,224
C--> 12 <141> CURRENT FILING DATE: 2001-12-20
12 <150> PRIOR APPLICATION NUMBER: US 60/256,973
13 <151> PRIOR FILING DATE: 2000-12-21
15 <160> NUMBER OF SEQ ID NOS: 4
17 <170> SOFTWARE: PatentIn version 3.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 40
21 <212> TYPE: DNA
C--> 22 <213> ORGANISM: Artificial
24 <220> FEATURE:
25 <223> OTHER INFORMATION: oligonucleotide primer
27 <400> SEQUENCE: 1
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32 <211> LENGTH: 39
33 <212> TYPE: DNA
C--> 34 <213> ORGANISM: Artificial
36 <220> FEATURE:
37 <223> OTHER INFORMATION: oligonucleotide primer
39 <400> SEQUENCE: 2
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45 <212> TYPE: DNA
46 <213> ORGANISM: Homo sapiens
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49 <221> NAME/KEY: CDS
50 <222> LOCATION: (3)..(938)
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54   Asp Ala Pro Trp Gln Ser Arg Lys Thr Pro Gly Lys Gln Ala Gly
55     1           5           10          15
57 acc qta gct agg act ggg gtg gcc agg ccc agg aaa tcc atg aag gcc           95
58 Thr Val Ala Arg Thr Gly Val Ala Arg Pro Arg Lys Ser Met Lys Gly
59     20           25           30
61 aca gac agc ggg tcc tgc tgc cgc cgc cga tgc gac ttt ggc tgc tgc           143
62 Thr Asp Ser Gly Ser Cys Cys Arg Arg Arg Cys Asp Phe Gly Cys Cys
63     35           40           45
65 tgt cgc gcg tcc cgc cgg gct cac tac acg cct tac cgg tcc ggg gac           191
66 Cys Arg Ala Ser Arg Arg Ala His Tyr Thr Pro Tyr Arg Ser Gly Asp

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67	50	55	60		
69	gag	acc	cga	acc cct cag tcc ccc cgg cag acc cgg agc cgg gaa aua	239
70	Ala	Thr	Arg	Thr Pro Gln Ser Pro Arg Gln Thr Pro Ser Arg Glu Arg	
71	65	70	75		
73	cgg cgc cgg gag cca gcc ggg agc tgg gca gca ggc gag gag gaa			287	
74	Arg Arg Pro Glu Pro Ala Gly Ser Trp Ala Ala Ala Ala Glu Glu Glu				
75	80	85	90	95	
77	gaa gca gct ggc ggc gcc aca ccc tgg atg aga gat tat ttt gca gag			335	
78	Glu Ala Ala Ala Ala Ala Thr Pro Trp Met Arg Asp Tyr Phe Ala Glu				
79	100	105	110		
81	gat gat ggg gag atg gta ccc aga acg agt cac aca gca gct ttt ctt			383	
82	Asp Asp Gly Glu Met Val Pro Arg Thr Ser His Thr Ala Ala Phe Leu				
83	115	120	125		
85	agt gac act aaa gat cga ggc cct cca gtg cag tca cag atc tgg aua			431	
86	Ser Asp Thr Lys Asp Arg Gly Pro Pro Val Gln Ser Gln Ile Trp Arg				
87	130	135	140		
89	agt ggt gaa aag gtc cgg ttt gtg cag aca tat tcc ttg aga gca ttt			479	
90	Ser Gly Glu Lys Val Pro Phe Val Gln Thr Tyr Ser Leu Arg Ala Phe				
91	145	150	155		
93	gag aaa ccc cct cag gta cag acc cag gct ctt cga gac ttt gag aag			527	
94	Glu Lys Pro Pro Gln Val Gln Thr Gln Ala Leu Arg Asp Phe Glu Lys				
95	160	165	170	175	
97	cac ctc aat gac ctg aag aag gag aac ttc agc ctc aag ctg cgc atc			575	
98	His Leu Asn Asp Leu Lys Lys Glu Asn Phe Ser Leu Lys Leu Arg Ile				
99	180	185	190		
101	tac ttc ctg gag gag cgc atg caa cag aag tat gag gcc agc cgg gag			623	
102	Tyr Phe Leu Glu Glu Arg Met Gln Gln Lys Tyr Glu Ala Ser Arg Glu				
103	195	200	205		
105	gac atc tac aag cgg aac act gag ctg aag gtt gaa gtg gag agc ttg			671	
106	Asp Ile Tyr Lys Arg Asn Thr Glu Leu Lys Val Glu Val Glu Ser Leu				
107	210	215	220		
109	aaa cga gaa ctc cag gac aag aaa cag cat ctg gat aaa aca tgg gct			719	
110	Lys Arg Glu Leu Gln Asp Lys Lys Gln His Leu Asp Lys Thr Trp Ala				
111	225	230	235		
113	gat gtg gag aat ctc aac agt cag aat gaa gct gag ctc cga cgc cag			767	
114	Asp Val Glu Asn Leu Asn Ser Gln Asn Glu Ala Glu Leu Arg Arg Gln				
115	240	245	250	255	
117	ttt gag gag cga cag cag gag acg gag cat gtt tat gag ctc ttg gag			815	
118	Phe Glu Glu Arg Gln Gln Glu Thr Glu His Val Tyr Glu Leu Leu Glu				
119	260	265	270		
121	aat aag atg cag ctt ctg cag gag gaa tcc agg cta gca aag aat gaa			863	
122	Asn Lys Met Gln Leu Leu Gln Glu Glu Ser Arg Leu Ala Lys Asn Glu				
123	275	280	285		
125	gct ggc cgg atg gca gct ctg gtg gaa gca gag aag gag tgt aac ctg			911	
126	Ala Ala Arg Met Ala Ala Leu Val Glu Ala Glu Lys Glu Cys Asn Leu				
127	290	295	300		
129	gag ctc tca gag aaa ctg aag gga gtc			938	
130	Glu Leu Ser Glu Lys Leu Lys Gly Val				
131	305	310			

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134 <210> SEQ ID NO: 4
135 <211> LENGTH: 312
136 <212> TYPE: PRT
137 <213> ORGANISM: Homo sapiens
138 <400> SEQUENCE: 4
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145 Val Ala Arg Thr Gly Val Ala Arg Pro Arg Lys Ser Met Lys Gly Thr
146 20 25 30
149 Asp Ser Gly Ser Cys Cys Arg Arg Arg Cys Asp Phe Gly Cys Cys Cys
150 35 40 45
153 Arg Ala Ser Arg Arg Ala His Tyr Thr Pro Tyr Arg Ser Gly Asp Ala
154 50 55 60
157 Thr Arg Thr Pro Gln Ser Pro Arg Gln Thr Pro Ser Arg Glu Arg Arg
158 65 70 75 80
161 Arg Pro Glu Pro Ala Gly Ser Trp Ala Ala Ala Glu Glu Glu Glu
162 85 90 95
165 Ala Ala Ala Ala Ala Thr Pro Trp Met Arg Asp Tyr Phe Ala Glu Asp
166 100 105 110
169 Asp Gly Glu Met Val Pro Arg Thr Ser His Thr Ala Ala Phe Leu Ser
170 115 120 125
173 Asp Thr Lys Asp Arg Gly Pro Pro Val Gln Ser Gln Ile Trp Arg Ser
174 130 135 140
177 Gly Glu Lys Val Pro Phe Val Gln Thr Tyr Ser Leu Arg Ala Phe Glu
178 145 150 155 160
181 Lys Pro Pro Gln Val Gln Thr Gln Ala Leu Arg Asp Phe Glu Lys His
182 165 170 175
185 Leu Asn Asp Leu Lys Lys Glu Asn Phe Ser Leu Lys Leu Arg Ile Tyr
186 180 185 190
189 Phe Leu Glu Glu Arg Met Gln Gln Lys Tyr Glu Ala Ser Arg Glu Asp
190 195 200 205
193 Ile Tyr Lys Arg Asn Thr Glu Leu Lys Val Glu Val Glu Ser Leu Lys
194 210 215 220
197 Arg Glu Leu Gln Asp Lys Lys Gln His Leu Asp Lys Thr Trp Ala Asp
198 225 230 235 240
201 Val Glu Asn Leu Asn Ser Gln Asn Glu Ala Glu Leu Arg Arg Gln Phe
202 245 250 255
205 Glu Glu Arg Gln Gln Glu Thr Glu His Val Tyr Glu Leu Leu Glu Asn
206 260 265 270
209 Lys Met Gln Leu Leu Gln Glu Glu Ser Arg Leu Ala Lys Asn Glu Ala
210 275 280 285
213 Ala Arg Met Ala Ala Leu Val Glu Ala Glu Lys Glu Cys Asn Leu Glu
214 290 295 300
217 Leu Ser Glu Lys Leu Lys Gly Val
218 305 310

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## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/023,224

DATE: 01/11/2002

TIME: 11 53:07

Input Set : A:\2318-287-II.ST25.txt

Output Set: N:\CRF3\01112002\J023224.raw

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L:12 M.271 C: Current Filing Date differs. Replaced Current Filing Date  
L:22 M.220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1  
L:34 M.220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2